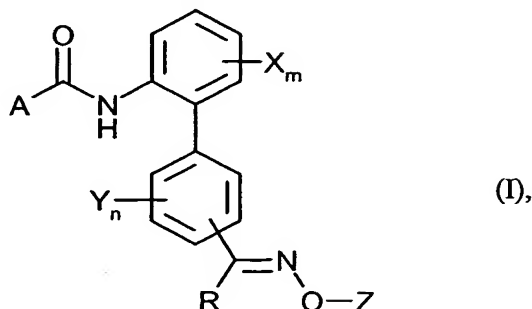


Claims

1. A biphenylcarboxamide of the formula (I)



5 in which

R represents hydrogen, C₁-C₆-alkyl or C₁-C₃-haloalkyl having in each case 1 to 7 fluorine, chlorine and/or bromine atoms,

10 Z represents C₃-C₈-alkenyl, C₃-C₈-alkynyl, C₃-C₈-haloalkenyl, C₃-C₈-haloalkynyl having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, or (C₃-C₈-cycloalkyl)(C₁-C₄-alkyl),

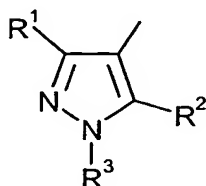
X and Y independently of one another represent halogen, cyano, nitro, C₁-C₈-alkyl, C₁-C₈-alkoxy, C₁-C₈-alkylthio, C₁-C₆-haloalkyl, C₁-C₆-haloalkoxy or C₁-C₆-haloalkylthio having in each case 1 to 13 fluorine, chlorine and/or bromine atoms,

15 m represents 0, 1, 2, 3 or 4, where x represents identical or different radicals if m represents 2, 3 or 4,

n represents 0, 1, 2, 3 or 4, where y represents identical or different radicals if n represents 2, 3 or 4,

and

20 A represents a radical of the formula



in which

R¹ represents hydrogen, cyano, halogen, nitro, C₁-C₄-alkyl, C₃-C₆-cycloalkyl, C₁-C₄-alkoxy, C₁-C₄-alkylthio, aminocarbonyl, aminocarbonyl-C₁-C₄-alkyl or represents C₁-C₄-haloalkyl, C₁-C₄-

25

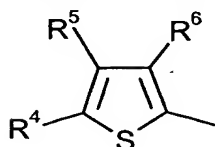
haloalkoxy, C₁-C₄-haloalkylthio having in each case 1 to 5 halogen atoms, and

R² represents hydrogen, halogen, cyano, C₁-C₄-alkyl, C₁-C₄-alkoxy or C₁-C₄-alkylthio and

5 R³ represents hydrogen, C₁-C₄-alkyl, hydroxy-C₁-C₄-alkyl, C₂-C₆-alkenyl, C₃-C₆-cycloalkyl, C₁-C₄-alkylthio-C₁-C₄-alkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, or represents C₁-C₄-haloalkyl, halo(C₁-C₄-alkylthio-C₁-C₄-alkyl), halo(C₁-C₄-alkoxy-C₁-C₄-alkyl) having in each case 1 to 5 halogen atoms or represents phenyl,

10 or

A represents a radical of the formula



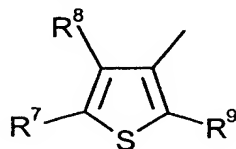
in which

15 R⁴ and R⁵ independently of one another represent hydrogen, halogen, C₁-C₄-alkyl or C₁-C₄-haloalkyl having 1 to 5 halogen atoms and

R⁶ represents halogen, cyano or C₁-C₄-alkyl, C₁-C₄-haloalkyl, C₁-C₄-haloalkoxy having in each case 1 to 5 halogen atoms,

or

A represents a radical of the formula



20

in which

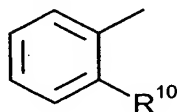
R⁷ and R⁸ independently of one another represent hydrogen, halogen, C₁-C₄-alkyl or C₁-C₄-haloalkyl having 1 to 5 halogen atoms and

R⁹ represents hydrogen, halogen or C₁-C₄-alkyl,

25

or

A represents a radical of the formula

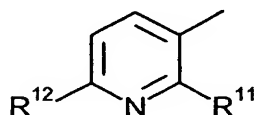


in which

R^{10} represents hydrogen, halogen, hydroxyl, cyano, C_1 - C_6 -alkyl, C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkoxy, C_1 - C_4 -haloalkylthio having in each case 1 to 5 halogen atoms,

or

5 A represents a radical of the formula



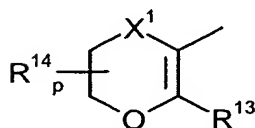
in which

10 R^{11} represents halogen, hydroxyl, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkoxy, C_1 - C_4 -haloalkylthio having in each case 1 to 5 halogen atoms and

R^{12} represents hydrogen, halogen, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -alkoxy, C_1 - C_4 -alkylthio, C_1 - C_4 -alkylsulfinyl, C_1 - C_4 -alkylsulfonyl or represents C_1 - C_4 -haloalkyl, C_1 - C_4 -haloalkoxy having in each case 1 to 5 halogen atoms,

15 or

A represents a radical of the formula



in which

20 R^{13} represents C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

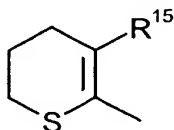
R^{14} represents C_1 - C_4 -alkyl,

X^1 represents S (sulfur), represents SO, SO_2 or CH_2 and

p represents 0, 1 or 2,

or

25 A represents a radical of the formula

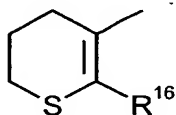


in which

R^{15} represents C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula

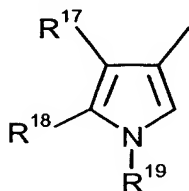


in which

R^{16} represents C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



in which

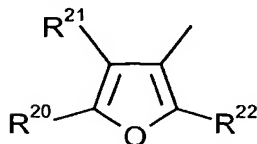
R^{17} represents halogen, cyano, C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

R^{18} represents hydrogen, halogen, C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

R^{19} represents hydrogen, cyano, C_1 - C_4 -alkyl, C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms, C_1 - C_4 -alkoxy- C_1 - C_4 -alkyl, hydroxy- C_1 - C_4 -alkyl, C_1 - C_4 -alkylsulfonyl, di(C_1 - C_4 -alkyl)aminosulfonyl, C_1 - C_6 -alkylcarbonyl or represents optionally substituted phenylsulfonyl or benzoyl,

or

A represents a radical of the formula



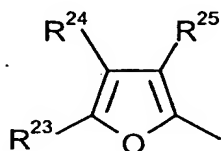
in which

R^{20} and R^{21} independently of one another represent hydrogen, halogen, amino, C_1 - C_4 -alkyl or represent C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{22} represents hydrogen, halogen, C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



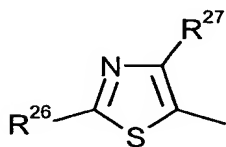
in which

R^{23} and R^{24} independently of one another represent hydrogen, halogen, amino, nitro, C_1 - C_4 -alkyl or represent C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{25} represents hydrogen, halogen, C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



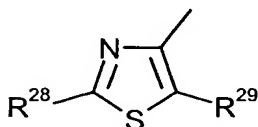
in which

R^{26} represents hydrogen, halogen, amino, C_1 - C_4 -alkylamino, di- $(C_1$ - C_4 -alkyl)amino, cyano, C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{27} represents halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



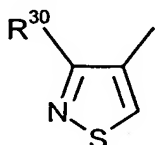
in which

R^{28} represents hydrogen, halogen, amino, C_1 - C_4 -alkylamino, di- $(C_1$ - C_4 -alkyl)amino, cyano, C_1 - C_4 -alkyl or represents C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms and

R^{29} represents halogen, C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula

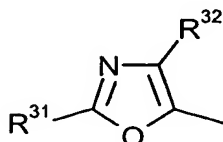


in which

R^{30} represents halogen, C_1 - C_4 -alkyl, C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



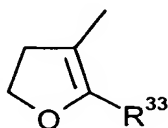
in which

R^{31} represents hydrogen or C_1 - C_4 -alkyl and

R^{32} represents halogen or C_1 - C_4 -alkyl,

or

A represents a radical of the formula

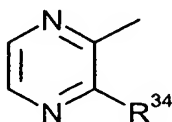


in which

R^{33} represents C_1 - C_4 -alkyl or C_1 - C_4 -haloalkyl having 1 to 5 halogen atoms,

or

A represents a radical of the formula



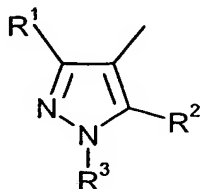
in which

R^{34} represents hydrogen, halogen, C_1 - C_4 -alkyl or C_1 - C_2 -haloalkyl having 1 to 5 halogen atoms.

2. The biphenylcarboxamide of the formula (I) as claimed in claim 1 in which
- R represents hydrogen, C₁-C₄-alkyl or C₁-C₃-haloalkyl having in each case 1 to 7 fluorine, chlorine and/or bromine atoms,
- 5 Z represents C₃-C₆-alkenyl, C₃-C₆-alkynyl, C₃-C₆-haloalkenyl, C₃-C₆-haloalkynyl having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, or (C₃-C₆-cycloalkyl)-(C₁-C₄-alkyl),
- X and Y independently of one another represent fluorine, chlorine, bromine, cyano, nitro, C₁-C₆-alkyl, C₁-C₆-alkoxy, C₁-C₆-alkylthio, C₁-C₂-haloalkyl, C₁-C₂-haloalkoxy or C₁-C₂-haloalkylthio having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,
- 10 m represents 0, 1, 2 or 3, where x represents identical or different radicals if m represents 2 or 3,
- n represents 0, 1, 2 or 3, where y represents identical or different radicals if m represents 2 or 3,
- 15

and

A represents a radical of the formula



in which

- 20 R¹ represents hydrogen, cyano, fluorine, chlorine, bromine, iodine, methyl, ethyl, isopropyl, cyclopropyl, methoxy, ethoxy, methylthio, ethylthio, aminocarbonyl, aminocarbonylmethyl, aminocarbonylethyl, C₁-C₂-haloalkyl C₁-C₂-haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, trifluoromethylthio or
- 25 difluoromethylthio,
- R² represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, methoxy, ethoxy, methylthio or ethylthio and
- R³ represents hydrogen, methyl, ethyl, n-propyl, isopropyl, hydroxymethyl, hydroxyethyl, cyclopropyl, cyclopentyl, cyclohexyl,
- 30 C₁-C₂-haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms or represents phenyl,

or

A represents a radical of the formula



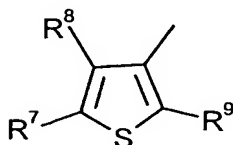
in which

5 R^4 and R^5 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

10 R^6 represents fluorine, chlorine, bromine, iodine, cyano, methyl, ethyl, trifluoromethyl or C_1 - C_2 -haloalkoxy having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



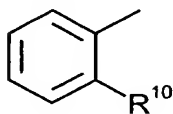
in which

15 R^7 and R^8 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^9 represents hydrogen, fluorine, chlorine, bromine, methyl or ethyl,

or

20 A represents a radical of the formula

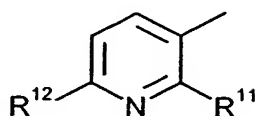


in which

25 R^{10} represents hydrogen, fluorine, chlorine, bromine, iodine, hydroxyl, cyano, C_1 - C_4 -alkyl, C_1 - C_2 -haloalkyl, C_1 - C_2 -haloalkoxy, C_1 - C_2 -haloalkylthio having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



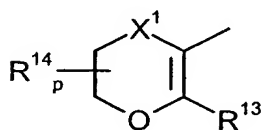
in which

R^{11} represents fluorine, chlorine, bromine, iodine, hydroxyl, cyano, C_1 - C_4 -alkyl, methoxy, ethoxy, methylthio, ethylthio, C_1 - C_2 -haloalkyl, C_1 - C_2 -haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms, trifluoromethylthio, difluoromethylthio and

R^{12} represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, C_1 - C_4 -alkyl, methoxy, ethoxy, methylthio, ethylthio, C_1 - C_2 -alkylsulfinyl, C_1 - C_2 -alkylsulfonyl, C_1 - C_2 -haloalkyl, C_1 - C_2 -haloalkoxy having in each case 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



in which

R^{13} represents methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

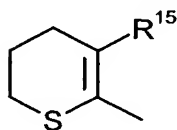
R^{14} represents methyl or ethyl,

X^1 represents S (sulfur), represents SO, SO₂ or CH₂ and

p represents 0, 1 or 2,

or

A represents a radical of the formula

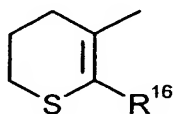


in which

R^{15} represents methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula

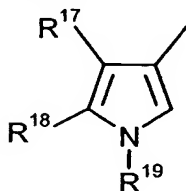


in which

R^{16} represents methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

5 or

A represents a radical of the formula



in which

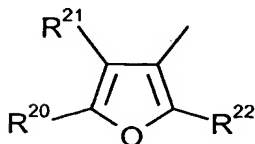
10 R^{17} represents fluorine, chlorine, bromine, cyano, methyl, ethyl, isopropyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

R^{18} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

15 R^{19} represents hydrogen, methyl, ethyl, C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms, C_1 - C_2 -alkoxy- C_1 - C_2 -alkyl, hydroxymethyl, hydroxyethyl, methylsulfonyl or dimethylaminosulfonyl,

or

20 A represents a radical of the formula



in which

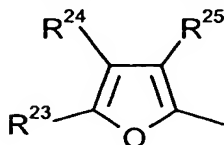
25 R^{20} and R^{21} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, methyl, ethyl or represent C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

R^{22} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

5

A represents a radical of the formula



in which

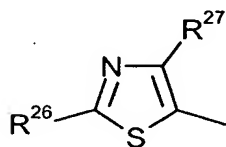
10

R^{23} and R^{24} independently of one another represent hydrogen, fluorine, chlorine, bromine, amino, nitro, methyl, ethyl or represent C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and R^{25} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

15

A represents a radical of the formula



in which

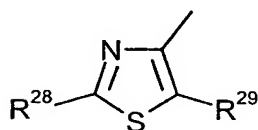
20

R^{26} represents hydrogen, fluorine, chlorine, bromine, amino, C_1 - C_4 -alkylamino, di- $(C_1$ - C_4 -alkyl)amino, cyano, methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and R^{27} represents fluorine, chlorine, bromine, methyl, ethyl, C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

25

A represents a radical of the formula



in which

R^{28} represents hydrogen, fluorine, chlorine, bromine, amino, C_1 - C_4 -alkylamino, di- $(C_1$ - C_4 -alkyl)amino, cyano, methyl, ethyl or represents C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms and

5 R^{29} represents fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula

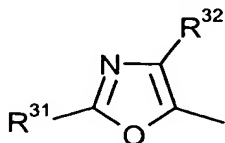


10 in which

R^{30} represents fluorine, chlorine, bromine, methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

or

A represents a radical of the formula



15

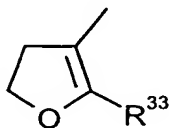
in which

R^{31} represents hydrogen, methyl or ethyl and

R^{32} represents fluorine, chlorine, bromine, methyl or ethyl,

or

20 A represents a radical of the formula



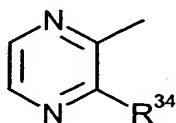
in which

R^{33} represents methyl, ethyl or C_1 - C_2 -haloalkyl having 1 to 5 fluorine, chlorine and/or bromine atoms,

25

or

A represents a radical of the formula



in which

R^{34} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or trifluoromethyl.

5

3. The biphenylcarboxamide of the formula (I) as claimed in claim 1 in which

R represents hydrogen, methyl, ethyl, isopropyl, tert-butyl,

Z represents allyl, 2-butenyl, 2-methylallyl, 1-methylallyl, 3-methyl-2-butenyl, propargyl, 2-butyryl, 3-butyryl, 2-methyl-3-butyryl, 3,3-difluoroallyl, 3,3-dichloroallyl, cyclopropylmethyl, cyclopentylmethyl, cyclohexylmethyl,

10

X and Y independently of one another represent fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, n-propyl, isopropyl, n-butyl, sec-butyl, isobutyl, tert-butyl, methoxy, ethoxy, methylthio, trichloromethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl, difluoromethoxy, trifluoromethoxy, trifluoromethylthio, difluorochloromethylthio,

15

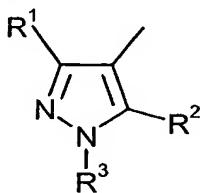
m represents 0 or 1,

n represents 0, 1 or 2, where y represents identical or different radicals if n represents 2,

and

20

A represents a radical of the formula



in which

R^1 represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, isopropyl, cyclopropyl, methoxy, ethoxy, methylthio, ethylthio, monofluoromethyl, difluoromethyl, trifluoromethyl, difluorochloromethyl, trichloromethyl, trifluoromethoxy, trichloromethoxy, trifluoromethylthio or difluoromethylthio and

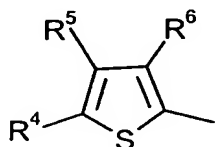
25

R^2 represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, methoxy, ethoxy, methylthio or ethylthio and

R^3 represents hydrogen, methyl, ethyl, hydroxymethyl, hydroxyethyl, trifluoromethyl, difluoromethyl or phenyl,

or

A represents a radical of the formula



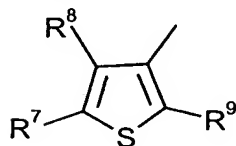
in which

R^4 and R^5 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, difluoromethyl, trifluoromethyl, difluorochloromethyl or trichloromethyl and

R^6 represents fluorine, chlorine, bromine, cyano, methyl, trifluoromethyl, trifluoromethoxy, difluoromethoxy, difluorochloromethoxy or trichloromethoxy,

or

A represents a radical of the formula



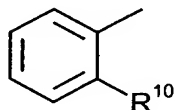
in which

R^7 and R^8 independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, difluoromethyl, trifluoromethyl, difluorochloromethyl or trichloromethyl and

R^9 represents hydrogen, fluorine, chlorine, bromine, methyl or ethyl,

or

A represents a radical of the formula



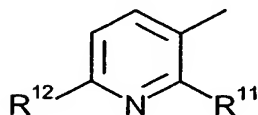
in which

R^{10} represents hydrogen, fluorine, chlorine, bromine, iodine, hydroxyl, cyano, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, difluoromethyl, trifluoromethyl,

difluorochloromethyl, trichloromethyl, trifluoromethoxy,
 difluoromethoxy, difluorochloromethoxy, trichloromethoxy,
 trifluoromethylthio, difluoromethylthio, difluorochloromethylthio
 or trichloromethylthio,

5 or

A represents a radical of the formula



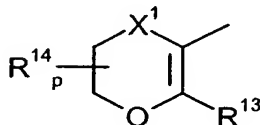
in which

10 R¹¹ represents fluorine, chlorine, bromine, iodine, hydroxyl, cyano,
 methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-
 butyl, methoxy, ethoxy, methylthio, ethylthio, trifluoromethyl,
 difluoromethyl, difluorochloromethyl, trichloromethyl,
 trifluoromethoxy, difluoromethoxy, difluorochloromethoxy,
 trichloromethoxy, difluoromethylthio, trifluoromethylthio and

15 R¹² represents hydrogen, fluorine, chlorine, bromine, iodine, cyano,
 methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-
 butyl, methoxy, ethoxy, methylthio, ethylthio, methylsulfinyl,
 methylsulfonyl, trifluoromethyl, difluoromethyl,
 difluorochloromethyl, trichloromethyl, trifluoromethoxy,
 20 difluoromethoxy, difluorochloromethoxy or trichloromethoxy,

or

A represents a radical of the formula



in which

25 R¹³ represents methyl, ethyl, trifluoromethyl, difluoromethyl,
 difluorochloromethyl or trichloromethyl and

R¹⁴ represents methyl or ethyl,

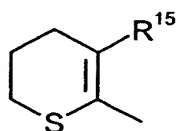
X¹ represents S (sulfur), represents SO, SO₂ or CH₂ and

p represents 0, 1 or 2,

30

or

A represents a radical of the formula

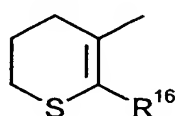


in which

R¹⁵ represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula

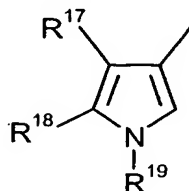


in which

R¹⁶ represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



in which

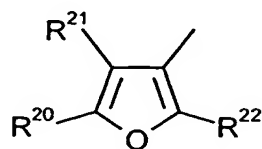
R¹⁷ represents fluorine, chlorine, bromine, cyano, methyl, ethyl, isopropyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

R¹⁸ represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl or trichloromethyl and

R¹⁹ represents hydrogen, methyl, ethyl, trifluoromethyl, methoxymethyl, ethoxymethyl, hydroxymethyl or hydroxyethyl,

or

A represents a radical of the formula



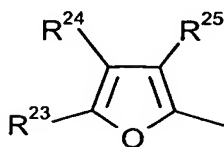
in which

R²⁰ and R²¹ independently of one another represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R²² represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



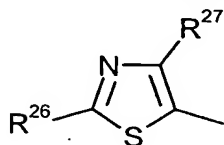
in which

R²³ and R²⁴ independently of one another represent hydrogen, fluorine, chlorine, bromine, nitro, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R²⁵ represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



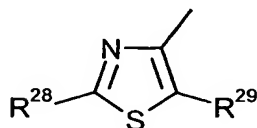
in which

R²⁶ represents hydrogen, fluorine, chlorine, bromine, amino, methylamino, dimethylamino, cyano, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R^{27} represents fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

5 A represents a radical of the formula



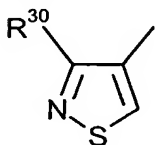
in which

10 R^{28} represents hydrogen, fluorine, chlorine, bromine, amino, methylamino, dimethylamino, cyano, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl and

R^{29} represents fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

15 or

A represents a radical of the formula

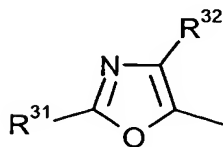


in which

20 R^{30} represents fluorine, chlorine, bromine, methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

A represents a radical of the formula



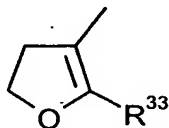
25 in which

R^{31} represents hydrogen, methyl or ethyl and

R^{32} represents fluorine, chlorine, bromine, methyl or ethyl,

or

A represents a radical of the formula

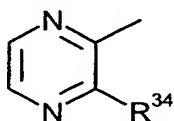


in which

5 R^{33} represents methyl, ethyl, trifluoromethyl, difluoromethyl, difluorochloromethyl or trichloromethyl,

or

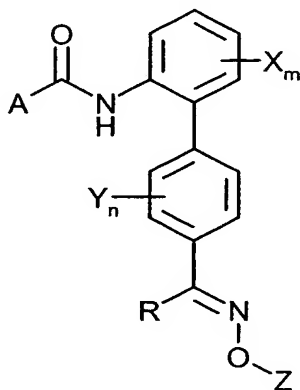
A represents a radical of the formula



in which

10 R^{34} represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl or trifluoromethyl.

4. The biphenylcarboxamide of the formula (I-1)



(I-1)

in which

15 R, Z, X, Y, m, n and A are as defined in any of claims 1 to 3.

20 5. A process for preparing biphenylcarboxamides of the formula (I) as claimed in claim 1, characterized in that

a) carboxylic acid derivatives of the formula (II)

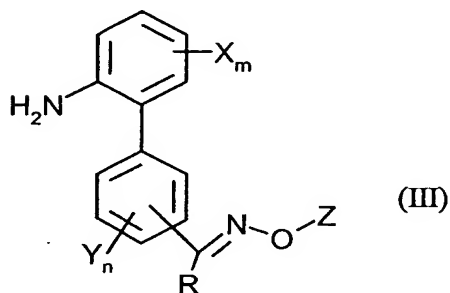


in which

A is as defined in claim 1 and

G represents halogen, hydroxyl or C₁-C₆-alkoxy

are reacted with aniline derivatives of the formula (III)



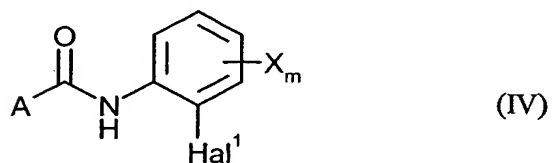
in which

R, Z, X, Y, m and n are as defined in claim 1,

if appropriate in the presence of a catalyst, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

b) carboxamide derivatives of the formula (IV)

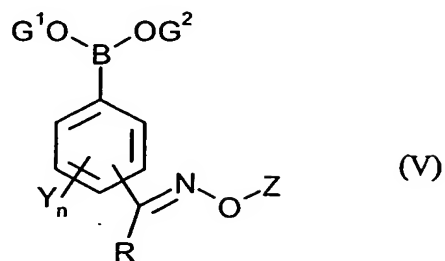


in which

A, X and m are as defined in claim 1,

Hal¹ represents bromine or iodine,

are reacted with boronic acid derivatives of the formula (V)



in which

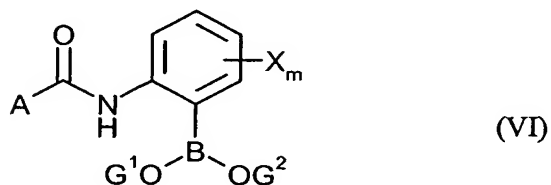
R, Z, Y and n are as defined in claim 1 and

G¹ and G² each represent hydrogen or together represent tetramethylethylene

in the presence of a catalyst, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

c) carboxamide boronic acid derivatives of the formula (VI)

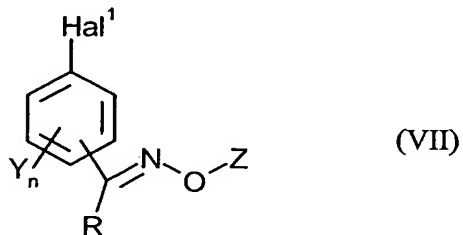


in which

A, X and m are as defined in claim 1 and

G¹ and G² each represent hydrogen or together represent tetramethylethylene

are reacted with phenyl oxime derivatives of the formula (VII)



in which

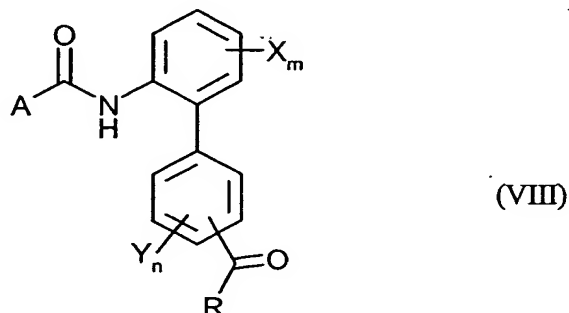
R, Z, Y and n are as defined in claim 1,

Hal¹ represents bromine or iodine,

in the presence of a catalyst, if appropriate in the presence of an acid binder
and if appropriate in the presence of a diluent,

or

d) biphenylacetyl derivatives of the formula (VIII)



5

in which

A, R, X, Y, m and n are as defined in claim 1

are reacted with hydroxylamine derivatives of the formula (IX)



10

in which

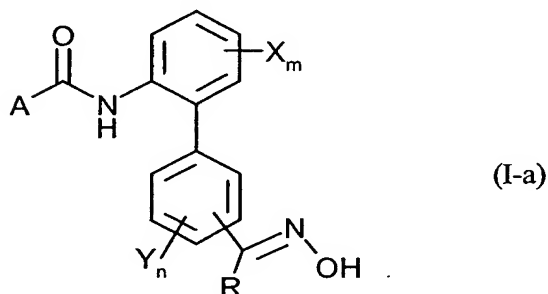
Z is as defined in claim 1,

if appropriate in the presence of an acid binder and if appropriate in the
presence of a diluent,

15

or

e) hydroxyimino derivatives of the formula (I-a)



in which

20

A, R, X, Y, m and n are as defined in claim 1

are reacted with compounds of the formula (X)



in which

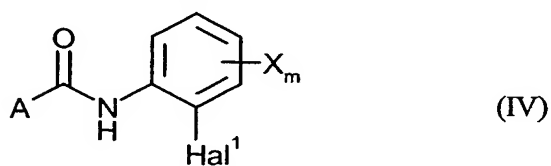
Z is as defined in claim 1,

E represents chlorine, bromine, iodine, methanesulfonyl or p-toluenesulfonyl,

if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent,

or

f) carboxamide derivatives of the formula (IV)

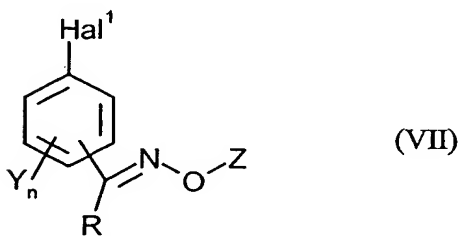


in which

A, X and m are as defined in claim 1,

Hal¹ represents bromine or iodine,

are reacted with phenyl oxime derivatives of the formula (VII)



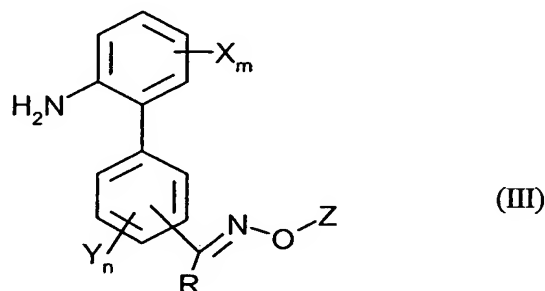
in which

R, Z, Y and n are as defined in claim 1,

Hal¹ represents bromine or iodine

in the presence of a palladium or platinum catalyst and in the presence of 4,4,4',4',5,5,5',5'-octamethyl-2,2'-bis-1,3,2-dioxaborolane, if appropriate in the presence of an acid binder and if appropriate in the presence of a diluent.

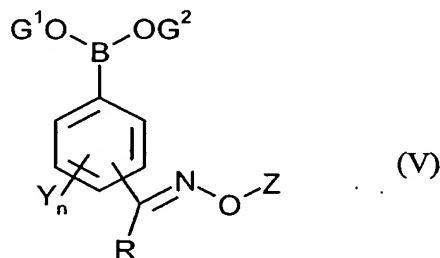
6. A composition for controlling unwanted microorganisms, characterized in that it comprises at least one biphenylcarboxamide of the formula (I) as claimed in claim 1, in addition to extenders and/or surfactants.
7. The use of biphenylcarboxamides of the formula (I) as claimed in claim 1 for controlling unwanted microorganisms.
8. A method for controlling unwanted microorganisms, characterized in that biphenylcarboxamides of the formula (I) as claimed in claim 1 are applied to the microorganisms and/or their habitat.
9. A process for preparing compositions for controlling unwanted microorganisms, characterized in that biphenylcarboxamides of the formula (I) according to claim 1 are mixed with extenders and/or surfactants.
10. An aniline derivative of the formula (III)



in which

R, Z, X, Y, m and n are as defined in claim 1.

11. A boronic acid derivative of the formula (V)

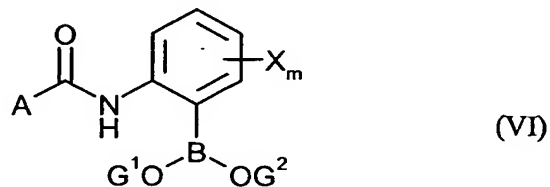


in which

R, Z, Y and n are as defined in claim 1 and

G^1 and G^2 each represent hydrogen or together represent tetramethylethylene.

12. A carboxamide boronic acid derivative of the formula (VI)

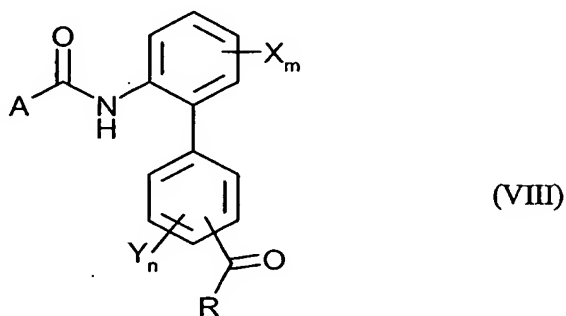


5 in which

A, X and m are as defined in claim 1 and

G^1 and G^2 each represent hydrogen or together represent tetramethylethylene.

13. A biphenylacyl derivative of the formula (VIII)

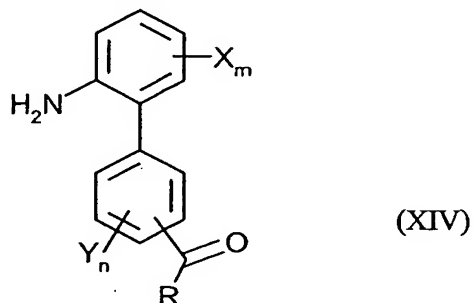


10

in which

A, R, X, Y, m and n are as defined in claim 1.

14. A 2-benzaldehyde aniline derivative of the formula (XIV)



15

in which

R, X, Y, m and n are as defined in claim 1.